

Adobe Security Bulletin

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Last updated on Apr 8, 2025

Security updates available for Adobe ColdFusion | APSB25-15

Bulletin ID	Date Published	Priority
APSB25-15	April 8, 2025	1

Summary

Adobe has released security updates for ColdFusion versions 2025, 2023 and 2021. These updates resolve [critical](#) and [important](#) vulnerabilities that could lead to arbitrary file system read, arbitrary code execution and security feature bypass.

Adobe is not aware of any exploits in the wild for any of the issues addressed in these updates.

Affected Versions

Product	Update number	Platform
ColdFusion 2025	Build 331385	All
ColdFusion 2023	Update 12 and earlier versions	All
ColdFusion 2021	Update 18 and earlier versions	All

Solution

Adobe categorizes these updates with the following [priority rating](#) and recommends users update their installations to the newest versions:

Product	Updated Version	Platform	Priority rating	Availability
ColdFusion 2025	Update 1	All	1	Tech Note
ColdFusion 2023	Update 13	All	1	Tech Note
ColdFusion 2021	Update 19	All	1	Tech Note

Note: See the updated serial filter documentation for more details on protection against insecure Wddx deserialization attacks <https://helpx.adobe.com/coldfusion/kb/coldfusion-serialfilter-file.html>

Vulnerability Details

Vulnerability Category	Vulnerability Impact	Severity	CVSS base score	CVSS vector
Improper Input Validation (CWE-20)	Arbitrary file system read	Critical	9.1	CVSS:3.1/AV:N/AC:L/PR:H/UI:N/S:C/C:H/I:H/A:H
Deserialization of Untrusted Data (CWE-502)	Arbitrary code execution	Critical	9.1	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:N
Improper Access Control (CWE-284)	Arbitrary file system read	Critical	9.1	CVSS:3.1/AV:N/AC:L/PR:H/UI:N/S:C/C:H/I:H/A:H

Improper Authentication (CWE-287)	Arbitrary code execution	Critical	9.1	CVSS:3.1/AV:N/AC:L/PR:H/UI:N/S:C/C:H/I:H/A:H
Deserialization of Untrusted Data (CWE-502)	Arbitrary code execution	Critical	8.0	CVSS:3.1/AV:N/AC:H/PR:H/UI:N/S:C/C:H/I:H/A:H
Deserialization of Untrusted Data (CWE-502)	Arbitrary code execution	Critical	8.0	CVSS:3.1/AV:N/AC:H/PR:H/UI:N/S:C/C:H/I:H/A:H
Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection') (CWE-78)	Arbitrary code execution	Critical	8.0	CVSS:3.1/AV:N/AC:H/PR:H/UI:N/S:C/C:H/I:H/A:H

Acknowledgements:

Adobe would like to thank the following researchers for reporting this issue and for working with Adobe to help protect our customers:

- nbxiglk - CVE-2025-24446, CVE-2025-30281, CVE-2025-30282, CVE-2025-30284, CVE-2025-30285, CVE-2025-30286, CVE-2025-30289
- Brian Reilly (reillyb) - CVE-2025-24447, CVE-2025-30288, CVE-2025-30290, CVE-2025-30291, CVE-2025-30292, CVE-2025-30293, CVE-2025-30294
- cioier - CVE-2025-30287

NOTE: Adobe has a public bug bounty program with HackerOne. If you are interested in working with Adobe as an external security researcher, please check out <https://hackerone.com/adobe>

Note: Adobe recommends updating your ColdFusion JDK/JRE LTS version to the latest update release as a secure practice. The [ColdFusion downloads page](#) is regularly updated to include the latest Java installers for the JDK version your installation supports as per the matrices below.

- [ColdFusion 2025 support matrix](#)
- [ColdFusion 2023 support matrix](#)
- [ColdFusion 2021 support matrix](#)

For instructions on how to use an external JDK, view [Change ColdFusion JVM](#).

Adobe also recommends applying the security configuration settings included in [the ColdFusion Security documentation](#) as well as review the respective Lockdown guides.

- [ColdFusion 2025 Lockdown Guide](#)
- [ColdFusion 2023 Lockdown Guide](#)
- [ColdFusion 2021 Lockdown Guide](#)

ColdFusion JDK Requirement

COLDFUSION 2025 (version 2023.0.0.331385) and above

For Application Servers

On JEE installations, set the following JVM flag, `"-Djdk.serialFilter=`

`!org.mozilla.**;!com.sun.syndication.**;!org.apache.commons.beanutils.**;!org.jgroups.**;!com.sun.rowset.**;`

`!com.mysql.cj.jdbc.interceptors.**;!org.apache.commons.collections.**;` " in the respective startup file depending on the type of Application Server being used.

For example:

Apache Tomcat Application Server: edit JAVA_OPTS in the 'Catalina.bat/sh' file

WebLogic Application Server: edit JAVA_OPTIONS in the 'startWeblogic.cmd' file

WildFly/EAP Application Server: edit JAVA_OPTS in the 'standalone.conf' file

Set the JVM flags on a JEE installation of ColdFusion, not on a standalone installation.

COLDFUSION 2023 (version 2023.0.0.330468) and above

For Application Servers

On JEE installations, set the following JVM flag, `"-Djdk.serialFilter=`

`!org.mozilla.**;!com.sun.syndication.**;!org.apache.commons.beanutils.**;!org.jgroups.**;!com.sun.rowset.**;`

`!com.mysql.cj.jdbc.interceptors.**;!org.apache.commons.collections.**;"` in the respective startup file depending on the type of Application Server being used.

For example:

Apache Tomcat Application Server: edit JAVA_OPTS in the 'Catalina.bat/sh' file

WebLogic Application Server: edit JAVA_OPTIONS in the 'startWeblogic.cmd' file

WildFly/EAP Application Server: edit JAVA_OPTS in the 'standalone.conf' file

Set the JVM flags on a JEE installation of ColdFusion, not on a standalone installation.

COLDFUSION 2021 (version 2021.0.0.323925) and above

For Application Servers

On JEE installations, set the following JVM flag, "`-Djdk.serialFilter=`

`!org.mozilla.**;!com.sun.syndication.**;!org.apache.commons.beanutils.**;!org.jgroups.**;!com.sun.rowset.**;!com.mysql.cj.jdbc.interceptors.**;!org.apache.commons.collections.**;"`

in the respective startup file depending on the type of Application Server being used.

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